

Title (en)
GOLF BALL

Title (de)
GOLFBALL

Title (fr)
BALLE DE GOLF

Publication
EP 3646925 A1 20200506 (EN)

Application
EP 19204058 A 20191018

Priority
JP 2018207333 A 20181102

Abstract (en)
An object of the present invention is to provide a golf ball having excellent approach spin performance under a dry condition and excellent approach spin performance under a condition that there is grass between the golf ball and the club face. The present invention provides a golf ball comprising a golf ball body and a paint film formed on a surface of the golf ball body, wherein the paint film is composed of at least one layer, and an outermost paint film layer located at the outermost layer of the golf ball contains, as a base resin, a polyurethane obtained by a reaction between (A) a polyisocyanate composition and (B) a polyol composition, (B) the polyol composition contains a urethane polyol as a polyol component, and a loss tangent ($\tan\delta$) of the outermost paint film layer measured with a dynamic viscoelasticity measuring apparatus under specific conditions has a peak temperature in a range of from -40 °C to 40 °C.

IPC 8 full level
A63B 37/00 (2006.01)

CPC (source: EP KR US)
A63B 37/0003 (2013.01 - EP); **A63B 37/00221** (2020.08 - EP KR US); **A63B 37/00222** (2020.08 - EP KR US); **A63B 37/0074** (2013.01 - EP KR); **A63B 37/0075** (2013.01 - EP); **A63B 37/008** (2013.01 - EP); **A63B 37/0083** (2013.01 - EP); **A63B 37/0087** (2013.01 - EP); **A63B 45/00** (2013.01 - EP); **C08G 18/12** (2013.01 - EP); **C08G 18/3206** (2013.01 - EP); **C08G 18/48** (2013.01 - KR); **C08G 18/4854** (2013.01 - EP); **C08G 18/5045** (2013.01 - EP KR); **C08G 18/698** (2013.01 - EP KR); **C08G 18/755** (2013.01 - EP KR); **C08G 18/7831** (2013.01 - EP); **C08G 18/791** (2013.01 - KR); **C08G 18/792** (2013.01 - EP); **C08G 18/80** (2013.01 - EP); **C08L 75/08** (2013.01 - KR); **C09D 175/08** (2013.01 - EP); **A63B 37/0029** (2013.01 - US); **A63B 2209/00** (2013.01 - EP KR US); **C08G 18/48** (2013.01 - US)

C-Set (source: EP)
1. **C08G 18/12 + C08G 18/80**
2. **C08G 18/12 + C08G 18/792**
3. **C08G 18/12 + C08G 18/7831**

Citation (applicant)
• JP 2014014383 A 20140130 - DUNLOP SPORTS CO LTD
• JP 2017209298 A 20171130 - DUNLOP SPORTS CO LTD
• JP 2018207333 A 20181227 - FUJITSU LTD

Citation (search report)
• [XA] US 2016184654 A1 20160630 - MATSUYAMA YOSHIKO [JP], et al
• [A] EP 2926871 A1 20151007 - DUNLOP SPORTS CO LTD [JP]
• [A] US 2018178074 A1 20180628 - TARAO TOSHIYUKI [JP], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3646925 A1 20200506; **EP 3646925 B1 20240417**; JP 2020069309 A 20200507; JP 7255138 B2 20230411; KR 20200050850 A 20200512; US 2020139199 A1 20200507

DOCDB simple family (application)
EP 19204058 A 20191018; JP 2018207333 A 20181102; KR 20190087152 A 20190718; US 201916671860 A 20191101